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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/566,920

01/09/2007

Natan Baron

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1165

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EXAMINER

AGGARWAL, YOGESH K

ART UNIT

PAPER NUMBER

2622

MAIL DATE

DELIVERY MODE

08/18/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/566,920	Applicant(s) BARON ET AL.	
	Examiner YOGESH K. AGGARWAL	Art Unit 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 9-11, 15, 17-21, 24, 28, 29, 31, 32, 37 and 38 is/are rejected.
- 7) ☒ Claim(s) 4-8, 12-14, 16, 22, 23, 25-27, 30 and 33-36 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 January 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

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Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3, 9, 10, 11, 15, 17-21, 24, 28, 29, 31, 32, 37 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blissett et al. (US Patent # 5,053,876) in view of Ohki (US Patent # 5,313,296).

[Claim 1]

A method for providing an image, comprising: exposing a first group of pixels located at a first location to light, during an intermediate exposure period, to provide analog signals representative of the light; storing the signals; and; whereas a relationship between the first and second locations is responsive to an estimated inter-image shift (col. 2 lines 46-62).

Blissett fails to teach at an analog memory and writing back the stored analog signals to a second group of pixels located at a second location. However Ohki teaches that the pixel data of nth field are written over the pixel data $A_{ij}(n-1)$ of the previous field (col. 9 lines 40-46).

Therefore taking the combined teachings of Blissett and Ohki, it would be obvious to one skilled in the art to have been motivated to have an analog memory and writing back the stored analog signals to a second group of pixels located at a second location in order to reduce the storage capacity of the memory.

[Claim 2]

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It is obvious to one skilled in the art to have the stage of exposing being preceded by a stage of determining the intermediate exposure period, since the pixel has to be exposed before the storing.

[Claim 3]

Blissett teaches wherein the intermediate exposure period is responsive to the estimated inter-image shift (col. 2 lines 46-62).

[Claims 9 and 10, 28 and 29, 31 and 32]

Blissett teaches a window (figure 2) comprising pixel rows and columns.

[Claims 11, 15 and 17 and 37]

See claim 1.

[Claim 16]

Blissett teaches a second component that provides an output signal as an output (figure 1).

[Claim 18]

There would inherently would be a controller in Blissett and Ohki.

[Claim 19]

Bliseet teaches a controller adapted to estimate the inter-image shift (col. 2 lines 46-62).

[Claims 20 and 21]

Bliseet teaches whereas the controller is further adapted to determine and responsive to the intermediate exposure period (col. 2 lines 46-62).

[Claim 24]

Blissett has first and second group of pixels (figure 2).

[Claim 38]

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The whole array is exposed to light in Blissett.

Allowable Subject Matter

3. Claims 4-8,12-14,16,22,23,25-27,30 and 33-36 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOGESH K. AGGARWAL whose telephone number is (571)272-7360. The examiner can normally be reached on M-F 9:00AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on (571)-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Yogesh K Aggarwal/

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Examiner, Art Unit 2622